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Attorney Docket No.: 038788.56253US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|                      |   |  |                  |   |  |
|----------------------|---|--|------------------|---|--|
| Application No.      | : |  | Confirmation No. | : |  |
| First Named Inventor | : | Satoru KOBAYASHI   |                  |   |  |
| Filed                | : | October 30, 2003   |                  |   |  |
| Docket No.           | : | 038788.56253US   |                  |   |  |
| Customer No.         | : | 23911  |                  |   |  |
| Title                | : | Fluorine-Containing Vinyl Ethers, Their Polymers,<br>and Resist Compositions Using such Polymers |                  |   |  |

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§1.97 and 1.98**

Mail Stop: PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants wish to make of record in the above-captioned application the following documents:

a copy of the International Search Report issued in connection with PCT/JP2003/13924 and the following references cited therein, copies of which are not included as it is believed that these were previously transmitted by the International Bureau:

WO 02/36646;  
EP 536 690;  
US 3,371,064;  
US 3,752,789;  
WO 95/20021;  
US 3,529,003;  
US 3,488,335;  
JP 2003-327686;  
JP 2003-316004;

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An article by Robert McClelland et al entitled, "Mechanism of Hydrolysis of Aryl Vinyl Selenides, Selenium-Stabilized Carbonium Ions", J. Org. Chem. 1980, 45, 187-189;

An article by Ernst Eibler et al entitled, "Polyhalogenated Cyclopentadienes in [4+2] Cycloadditions: Preparative Aspects, Liebigs Ann./Recueil 1997, 2451-2469; and

An article by Raymond G. Plevy et al entitled, "Polyfluorocycloalkenes, Part XVII, Further Preparations of Alkoxy-Nonafluorocyclohexenes and their Pyrolyses to Polyfluorocyclohex-2-Enones", Journal of Fluorine Chemistry, 26 (1984) 515-531.

Applicants also wish to make of record in the above-captioned application the following documents:

JP 2002-20131 and English language abstract (attached);

US Publication No. 2003/0236369 (copy not attached);

US Publication No. 2003/0232277 (copy not attached);

US Publication No. 2003/0219679 (copy not attached); and

An article by Y. Kamon et al entitled, "Newly Developed Acrylic Copolymers for ArF Photoresist", Journal of Photopolymer Science and Technology Volume 15, No. 4(2002) 535-540 (attached).

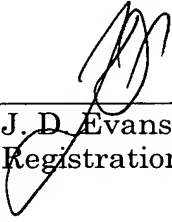
The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The present Information Disclosure Statement is being filed concurrently with a new U.S. application. Therefore no certification under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

Attorney Docket No.: 038788.56253US

The Examiner is respectfully requested to confirm receipt and consideration of the foregoing documents by initialing and returning a copy of the accompanying form PTO-1449.

Respectfully submitted,



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May 4, 2005

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|---|--------------------------------------|---|
| <b>Form PTO-1449</b><br>U.S. Department of Commerce<br>Patent & Trademark Office<br><br><b>INFORMATION DISCLOSURE STATEMENT</b><br><i>(Use several sheets if necessary)</i> | Atty. Docket No.<br>038788.56253US   | Serial No. <b>104533788</b><br>Not Yet Assigned |
|   | Applicant<br>Satoru KOBAYASHI et al. |   |
|   | Filing Date<br>October 30, 2003      | Group<br>Not Yet Assigned                       |

## U.S. PATENT DOCUMENTS

| Examiner Initial |    | Document Number | Date     | Name           | Class | Sub-Class | Filing Date (if appropriate) |
|------------------|----|-----------------|----------|----------------|-------|-----------|------------------------------|
|                  | AA | 2003/0236369    | 12/25/03 | Komoriya et al |       |           |                              |
|                  | AB | 2003/0232277    | 12/18/03 | Sasaki et al.  |       |           |                              |
|                  | AC | 2003/0219679    | 11/27/03 | Sasaki et al.  |       |           |                              |
|                  | AD | 3371064         | 2/27/68  | Wall et al.    |       |           |                              |
|                  | AE | 3752789         | 8/14/73  | Khan et al.    |       |           |                              |
|                  | AF | 3529003         | 9/15/70  | Rausch et al.  |       |           |                              |
|                  | AG | 3488335         | 1/6/70   | Braun et al.   |       |           |                              |

## FOREIGN PATENT DOCUMENTS

|  |    | Document    | Date     | Country           | Class | Sub-class | Translation Yes   No |
|--|----|-------------|----------|-------------------|-------|-----------|----------------------|
|  | AH | 2002-201231 | 7/19/02  | Japan             |       |           | Eng. Lang. Abstract  |
|  | AI | 02/36646    | 5/10/02  | PCT-International |       |           |                      |
|  | AJ | 536690      | 4/14/93  | Europe            |       |           |                      |
|  | AK | 95/20021    | 7/27/95  | PCT-International |       |           |                      |
|  | AL | 2003-327686 | 11/19/03 | Japan             |       |           |                      |
|  | AM | 2003-316004 | 11/6/03  | Japan             |       |           |                      |
|  | AN |             |          |                   |       |           |                      |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |    |   |
|--|----|---|
|  | AO | An article by Y. Kamon et al entitled, "Newly Developed Acrylic Copolymers for ArF Photoresist", Journal of Photopolymer Science and Technology Volume 15, No. 4(2002) 535-540.   |
|  | AP | An article by Robert McClelland et al entitled, "Mechanism of Hydrolysis of Aryl Vinyl Selenides, Selenium-Stabilized Carbonium Ions", J. Org. Chem. 1980, 45, 187-189;   |
|  | AQ | An article by Ernst Eibler et al entitled, "Polyhalogenated Cyclopentadienes in [4+2] Cycloadditions: Preparative Aspects, Liebigs Ann./Recueil 1997, 2451-2469.  |
|  | AR | An article by Raymond G. Plevy et al entitled, "Polyfluorocycloalkenes, Part XVII, Further Preparations of Alkoxy-Nonafluorocyclohexenes and their Pyrolyses to Polyfluorocyclohex-2-Enones", Journal of Fluorine Chemistry, 26 (1984) 515-531. |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.